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	Application No.	Applicant(s)	<del></del>
Notice of Allowability	10/702,428	ARAI ET AL.	
	Examiner	Art Unit	
	Marc S. Zimmer	1712	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due cou	urse. THIS
1. This communication is responsive to <u>05/17/05 and the inte</u>	rview conducted 07/06/05.		
2. The allowed claim(s) is/are <u>1-6,8-16 and 18-20</u> .			
3. $\square$ The drawings filed on $\_\_\_$ are accepted by the Examine	r.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> </ul>	e been received.		
<ul> <li>2.  Certified copies of the priority documents have been received in Application No</li> <li>3.  Copies of the certified copies of the priority documents have been received in this national stage application from the</li> </ul>			
International Bureau (PCT Rule 17.2(a)).	cuments have been receive	ed in this hational stage application	i nom aic
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		le a reply complying with the requir	ements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give			TCE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached			
1)  hereto or 2)  to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ck) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			e the
Attachment(s)  1. Notice of References Cited (PTO-892)	5. ☐ Notice of '	nformal Patent Application (PTO-1	52)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	<u> </u>	Summary (PTO-413),	<b>/</b>
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No	o./Mail Date ´´ s Amendment/Comment	
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit	8. ⊠ Examiner'	s Statement of Reasons for Allowa	ince
of Biological Material	9.		-
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## **EXAMINER'S AMENDMENT**

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Deborah Herzfeld on July 6, 2005.

The application has been amended as follows:

In claim 4, please move the phrase "the formula being" from right below the formula to directly above it.

In claims 9 and 19, please replace the word "contains" with

-- is --.

Please replace amended claim 14 with the following:

14. A method of manufacturing a proton conduction material comprising introducing a strong acid functional group onto a polymer derived from (i) a monomer having a vinyl radical, (ii) a monomer expressed by the formula expressed by the formula

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where R4, R5, and R6 are independent of one another and represent a hydrocarbon radical, a fluoro-substituted hydrocarbon radical, or a trimethylsiloxy radical, and (iii) a monomer expressed by the formula

where R7 and R8 are independent of each other and represent a hydrocarbon radical, a fluoro-substituted hydrocarbon radical, or a trimethylsiloxy radical.

Please replace original claim 20 with the following:

20. The method according to claim 14 wherein the monomer expressed by the formula

is vinyl triethylsilane, vinyl tris((trimethylsiloxy)silane, or vinyl-tbutyldimethylsilane.

An explanation for why these changes were deemed necessary is provided in the attached interview summary.

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Applicant has amended the claims such that they not require that the triorganosilyl groups are present at the end of the grafted chains. Accordingly, the rejection under 35 U.S.C. 112, 2<sup>nd</sup> paragraph is hereby withdrawn.

Applicant has also amended claims 4 and 14 to further stipulate that the claimed polymer is prepared, at least in part, from the divinyldiorganosilane orginally depicted in claims 7 and 17. (Claims 7 and 17 have been cancelled.) The reference does not contemplate incorporating a monomer adhering to this structure into the polymers described therein thus the prior art rejections are, likewise, withdrawn.

An updated survey of the prior art did not yield a reference more germane than those already cited hence claims 1-6, 8-16, and 18-20 are deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marc S. Zimmer whose telephone number is 571-272-1096. The examiner can normally be reached on Monday-Friday 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Randy Gulakowski can be reached on 571-272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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July 6, 2005

Marc Zimmer AU 171L